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|  | 420-536 Windows Networking |  | Worth 2% |
| Winter 2016 |  |  |

Assignment #1b: Intro to PowerShell, part #2

# Requirements

Write a PowerShell script to do some basic system querying and reporting.

Include appropriate comments (use comment based [help](https://technet.microsoft.com/en-us/library/hh847834.aspx))

# Specification

1. Clear the screen.
2. Show EXACTLY the menu below (“Main Menu” [section](#_Main_Menu:)) with no additional formatting. This [link](http://ps1scripting.blogspot.ca/2014/08/creating-menu-with-powershell.html) may be helpful.
3. Prompt the user to select an option
4. Displays the user input to the screen:
   1. In the case of a valid choice, displays "You chose option X" to the screen. X is the actual key that they pressed.
   2. In the case of an invalid choice, displays "Please choose a valid option. Press Enter to continue…" to the screen, waits for a key press and then clears the screen and re-displays the menu.
5. If the input was valid, skip down to the relevant section. Once the required action is complete, re-display the main menu.
6. Save the script as ***mainmenu.ps1***

# Main Menu:

420-536: System Utilities  
  
A - Show All Services  
B - Show Processes  
C - Show System Information  
  
X – Exit

Your choice: \_

Requirements for "Show Services" menu item:

1. Displays all system services sorted by status, name (ascending).
2. Creates a comma-separated file named ***allservices.csv*** with all the content that is displayed on the screen.

Requirements for "Show Processes" menu item:

1. Displays all running processes along with the amounts of memory (physical + virtual) used, sorted by memory use (descending)
2. The output is displayed in a web browser
3. Name the web page file ***runningprocesses.html***

Requirements for the "Show System Information" menu item:

1. Displays output from the TechNet script [here](https://gallery.technet.microsoft.com/scriptcenter/Sytem-Information-Using-0f7ff059)

# Deliverables

Upload a single zip file (note the file format!) containing the ***allservices.csv***, ***processes.htm*** and ***mainmenu.ps1*** files